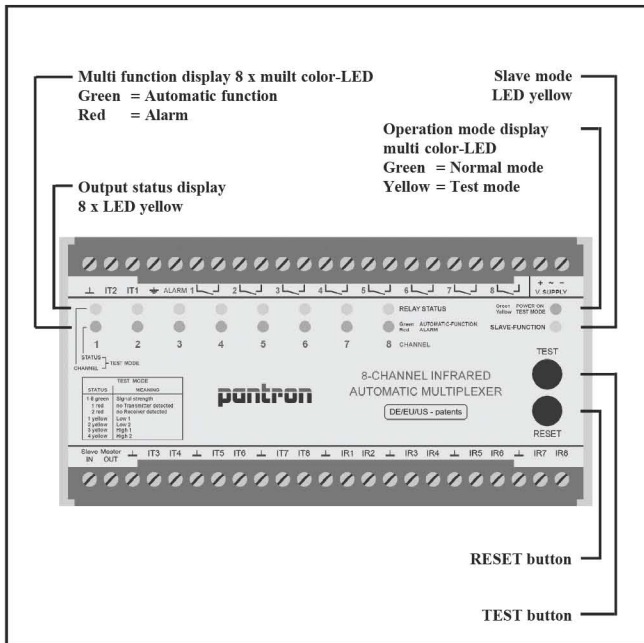
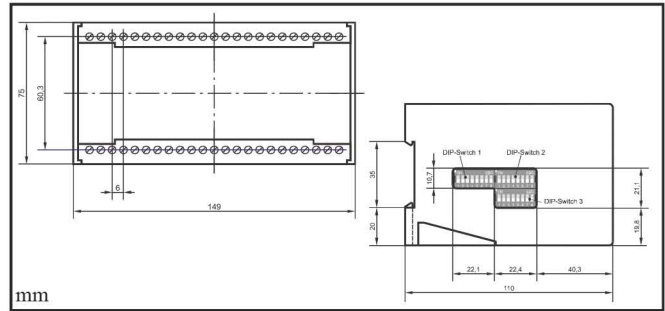


# Multiplexer

## 8-channel automatic-multiplexer IMX-A842...



- Detection range up to 25 m
- Transmit power for each channel with automatic adjustment
- Test function to check installation and signal quality
- One relay output for each channel
- Switching mode light / dark selectable for each channel
- 4 different selectable basic transmit levels
- Master-Slave mode



### Technical Data at +68°F

<b>Max. range (through beam)</b>	
Sensors II-P10, IR-P10	15 m (49ft)
Sensors II-P10HP, IR-P10	25 m (82ft)
<b>Supply voltage</b>	purchase order table below
<b>Operating basis</b>	modulated IR light
<b>Transmit frequency</b>	4.0 kHz
<b>Transmit power</b>	automatic adjustment
<b>Switching mode</b>	light / dark switchable
<b>Basic transmit level</b>	low 1, low 2, high 1, high 2
<b>Multiplex speed</b>	34 ms
<b>Master-Slave mode</b>	yes
<b>Relay output</b>	8 X NO
<b>Maximum load</b>	each 5 A / 250 VAC (24 VDC)
<b>Switching frequency</b>	15 Hz
<b>Alarm output</b>	pnp, 24 VDC
<b>Maximum load</b>	AC: 5 mA; DC: 100 mA
<b>Housing material</b>	plastic
<b>Protection class</b>	IP 20
<b>Connection</b>	clip 4 mm <sup>2</sup>
<b>Operating temperature</b>	-13°F ... +140°F

### DIP switch settings

DIP set 1		DIP 2		DIP 3	
Switching mode		Basic transmit level			
		high 2	ON	ON	
		high 1	ON	OFF	
dark	ON	low 2	OFF	ON	
light	OFF	low 1	OFF	OFF	

Purchase order table	Model
230 VAC / +/- 10% / 10 VA	IMX-842/230 VAC
115 VAC / +/- 10% / 10 VA	IMX-842/115 VAC
24 VAC / +/- 10% / 10 VA	IMX-842/24 VAC
24 VDC / +/- 20% / 8 W	IMX-842/24 VDC

### Connection diagram

